

Abstract (Basic): JP 6141885 A

A monoclonal antibody (MAb) having an ability of neutralising human immunodeficiency virus (HIV) contg. an amino acid sequence of Arg-Ile-Gly-Pro-Arg or Arg-Val-Gly-Pro-Gly-Arg in the principal neutralizing determinant (PND) of a glycoprotein antigen (gp120) having a mol.wt. of ca. 120kD present in the outer membrane of HIV or a fragment thereof is new.

Also claimed are a recombinant anti-HIV Ab H-chain having a neutralizing activity against HIV consisting of a mouse Ab-derived amino acid sequence and a human Ab-derived amino acid sequence; (2) a recombinant anti-HIV Ab L-chain having a neutralizing activity against HIV; (3) a recombinant anti-HIV ab consisting of the above H- and L-chain, and (4) the prepn. of the Ab in which an expression vector which can express the recombinant anti-HIV Ab is constructed and expressed in an animal cell and the Ab recovered.

USE/ADVANTAGE - The Ab can neutralize the clinically sepd. strains which cannot be neutralized by the neutralizing Ab against IIIB and IIIMN strains.

Dwa. 0/0